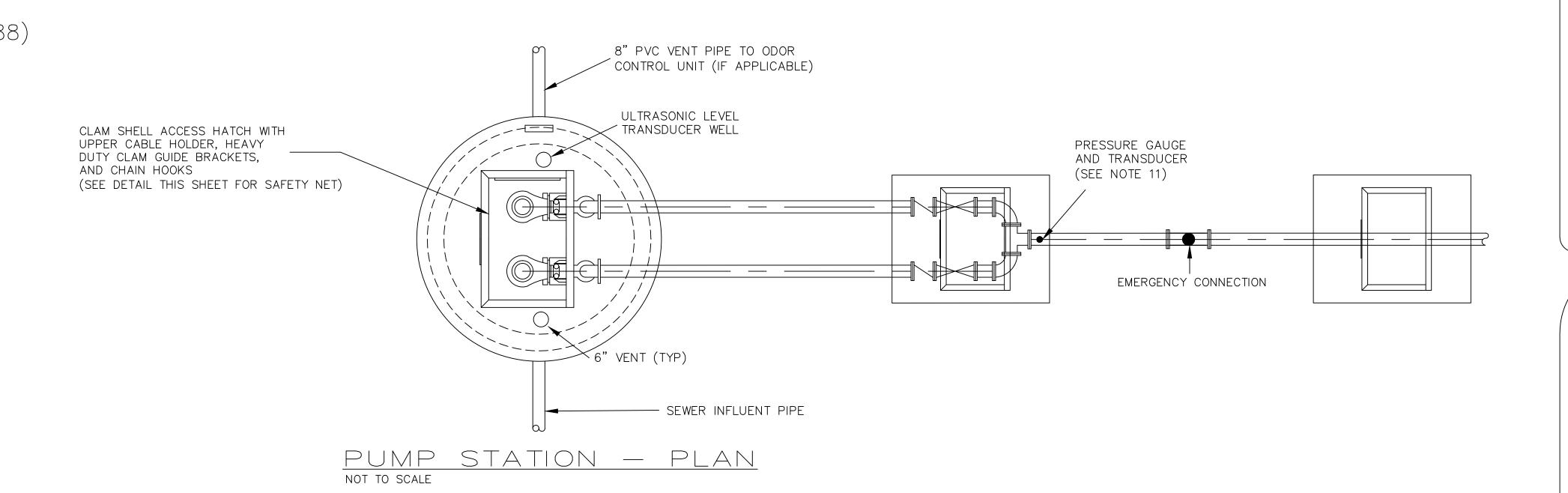
	<u>ITEM</u>	ELEVATION	(NAVD	88)
$\triangle$	TOP ELEVATION OF WETWELL			
B	INFLUENT PIPE (INVERT)			
	HIGH WATER ALARM			
	START LEAD PUMP			
E	START LAG PUMP			
(F)	PUMP OFF			
<u>G</u>	BOTTOM OF WETWELL			

<u>ITEM</u>	<u>VALUE</u>
WETWELL DIAMETER (MIN. 8')	
ROHN 65G TOWER HEIGHT	
PUMP MAKE	
PUMP MODEL	
IMPELLER SIZE	
VOLTAGE	
PHASE	
HORSEPOWER	
RPM	
DISCHARGE FLOW RATE AT DISCHARGE HEAD	GPM @ TDH



Revisions

PUMP STAT

Date: <u>5-15-2012</u>

Scale: NTS

Drawn By: JDM

Checked By: WLP

2 OF 3

## **GENERAL NOTES:**

IS 6'X6'.

- 1. FOR PUMP STATIONS LARGER THAN 50 HP, WET WELL LEVEL AND ALARMS SHOULD BE PRIMARILY CONTROLLED BY AN ULTRASONIC LEVEL TRANSMITTER SYSTEM PER BRUNSWICK COUNTY STANDARD SPECIFICATIONS. IN THE EVENT OF FAILURE OF THE ULTRASONIC LEVEL TRANSMITTER SYSTEM THE WET WELL FLOATS WILL CONTROL THE PUMP STATION. REFER TO BRUNSWICK COUNTY PUMP STATION TECHNICAL SPECIFICATIONS IN SCADA SPECIFICATIONS.
- 2. ALL POWER TO THE PUMP STATION SHALL BE 3 PHASE POWER.
  3. ALL HATCHES SHALL BE PROVIDED WITH OSHA APPROVED FALL SAFETY
- 3. ALL HATCHES SHALL BE PROVIDED WITH OSHA APPROVED FALL SAFETY DEVICE.
- 4. INSTALL ALL JUNCTION BOXES 2' ABOVE 100 YEAR WATER SURFACE ELEVATION.
- 5. PIPE STANCHIONS SHALL BE GALVANIZED METAL AND DESIGNED BY THE ENGINEER TO ADEQUATELY SUPPORT THE SIZE AND WEIGHT OF THE ELECTRICAL AND SCADA COMPONENTS MOUNTED TO THEM. ALL COMPONENTS SHALL BE MOUNTED USING 316 SS ANCHOR BOLTS.
- 6. ALL PUMP STATION CONTROL PANELS SHALL BE EQUIPPED WITH A TERMINAL BLOCK WITH DRY CONTACTS TO ALLOW CONNECTION TO SCADA CONTROL PANEL.
- 7. THE CONTRACTOR SHALL INSTALL A SCADA CONTROL PANEL PER BRUNSWICK COUNTY SPECIFICATIONS.
- 8. INSTALL OUTSIDE WATERPROOF 120VAC OUTLET.(GFCI PROTECTED)
  9. PUMP LIFTING CHAINS SHALL BE STAINLESS STEEL AND ALL FLANGE
- BOLTS SHALL BE 316 STAINLESS STEEL.

  10. ALL DIP AND FITTINGS SHALL BE COATED ON THE OUTSIDE AND INSIDE
- PER BRUNSWICK COUNTY SPECIFICATIONS.

  11. BRUNSWICK COUNTY REQUIRES A PRESSURE TRANSDUCER IN ADDITION TO
- A PRESSURE GAUGE ON THE COMMON FORCE MAIN INSIDE THE VALVE
- VAULT (SEE DETAIL ON SHEET 3 OF 3).

  12. BRUNSWICK COUNTY MAY REQUIRE A FLOW METER VAULT. MINIMUM SIZE

